

ABSTRACT

A liposome composition for delivery of a nucleic acid *in vivo* or *ex vivo* is described. The liposomes in the composition are comprised of (i) a lipid that is neutral in charge at physiologic pH and positively charged at pH values less than physiologic pH
5 and (ii) a lipid joined to a hydrophilic polymer by a dithiobenzyl linkage. The liposomes are associated with a nucleic acid for delivery to a cell.